

10/501778

Rec'd PCT/PTO 19 JUL 2004

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00048

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
Int. Cl. <sup>7</sup> : H01L 27/14, 31/102, 31/0296		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI: /ic h01l-027/14+ or h01l-031, mercury or hg+ or +hg or ??hg??, passiv+ or zns or (zinc (w) sul??ide), hgcdte or mct or (mercury (w) cadmium (w) telluride) or hgcd or cdhg or cdte or hgte, ("p" (w) type) or ("n" (w) type) or ("p" (w) dop+) or ("n" (w) dop+) or (pn (w) junction) or (np (w) junction), etch+ or rie or (reactive (w) ion) or (ion (w) implant+), window+ or mask+ or aperture? or opening? or hole?, ohmic or contact?		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4956304 A (COCKRUM et al.) 11 September 1990 Whole document	1-42
X	US 5936268 A (COCKRUM et al.) 10 August 1999 Whole document	15-38, 40-42
A	Patent Abstracts of Japan, JP 9-232603 A (NEC CORP) 5 September 1997 Abstract; drawing	
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search 20 February 2003		Date of mailing of the international search report 25 FEB 2003
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer:  RAJEEV DESHMUKH Telephone No : (02) 6283 2145

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No. .

**PCT/AU03/00048**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	4956304	EP	374232	IL	89706	WO	8910007
US	5936268	GB	2372630	NL	8900764		
JP	9232603	NONE					
END OF ANNEX							